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I do hereby certify that this correspondence is being transmitted via facsimile, to the Commissioner for Patents, Examiner Christine Sung, facsimile no. (571) 273-8300, on this 24<sup>th</sup> day of July 2006.



Margaret A. Pruitt

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re: Rocco DiFoggio	§	Docket No: 584-30872-US
Serial No: 10/798,686	§	Art Unit: 3672
Filed: March 11, 2004	§	Examiner: Christine Sung
Title: "Method and Apparatus for Downhole Quantification of Methane Using Near Infrared Spectroscopy"	§	Confirmation No.: 6263

**MS: AMENDMENTS**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NON- FINAL OFFICE ACTION DATED MARCH 23, 2006**

This is in response to the Office Action, dated March 23, 2006 for the above-identified patent application.

Amendments to the application begin at page 2.

Amendments to the Claims begin at page 2.

Remarks begin at page 9.